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[71] Applicant: Zhibin Yao

Address: 74, Zhongshanerlu Rd., Guangzhou, Guangdong
Province 510089

Co-applicants: Scientific and Technological Development
Centre of the Sun Yat-Sen School of Medicine of the
Sun Yat-Sen University

Jonjee Hi-tech Industrial & Commercial Holding Co.,
Ltd

[72] Inventors: Zhibin Yao

[74] Patent Agency: Guangzhou Sanhuan Patent Agency Co., Ltd.
Agent: Yuehua Cheng

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[54] Name of the Invention

A vaccine against senile dementia and thereof
preparation method

[57] Abstract

The present invention relates to a vaccine against senile dementia and thereof preparation method, which comprises at least a synthesized artificially peptide that contains A β ₄₂ neutralizing epitope and is conjugated to protein or peptide carriers. The preparation method comprises the following steps: (1) synthesize artificially at least a peptide strand containing A β ₄₂ neutralizing epitope; (2) conjugate respectively the above said peptide to protein or peptide carrier to form conjugate, the conjugates are incubated for aging; (3) add compatible adjuvant to the above said conjugate to prepare A β ₄₂ subunit vaccine against senile dementia. The invention not only removes the common toxic fragment from the vaccine, and improves the vaccine structure and increases the immunogenicity, but also retains the effective antigenic determinants.

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